

In the Claims:

Kindly cancel claims 14-16 without prejudice.

1-16. (cancelled) without prejudice.

17. (previously presented) An apparatus for improving efficiency of a wind turbine rotor having wind turbine rotor blades comprising a serrated panel connected to each wind turbine rotor blade, an upper and a lower surface on each panel, a plurality of span-wise, periodic indentions on each panel, means for connecting the serrated panel to a trailing edge on each of the wind turbine rotor blades of the wind turbine rotor such that the serrated panel extends from the trailing edge into airflow behind the trailing edge on each wind turbine rotor blade of the wind turbine rotor, the serrations on each wind turbine rotor blade having an angle different from 0 degrees relative to a mounting surface on each of the wind turbine rotor blades of the wind turbine rotor, wherein the serrations and each of the serrated panels have a given stiffness allowing for an angle of the serrations to change passively in response to speed and angle of the airflow at the trailing edge of each of the wind turbine rotor blades due to flexing of the serrations and the serrated panel.

18. (previously presented) The apparatus of claim 17, wherein the serrations on each of the wind turbine rotor blades extend along a spanwise extent of the trailing edge having a length of between about 30 and 100 percent of a radius of the blade.

19. (previously presented) The apparatus of claim 17, wherein the serrations are saw-toothed serrations having approximately 60 degrees included angles between adjacent vertices.

20. (previously presented) The apparatus of claim 17, wherein the serrated panel further comprises saw-toothed serrations having approximately 60 degrees included angles between adjacent vertices.